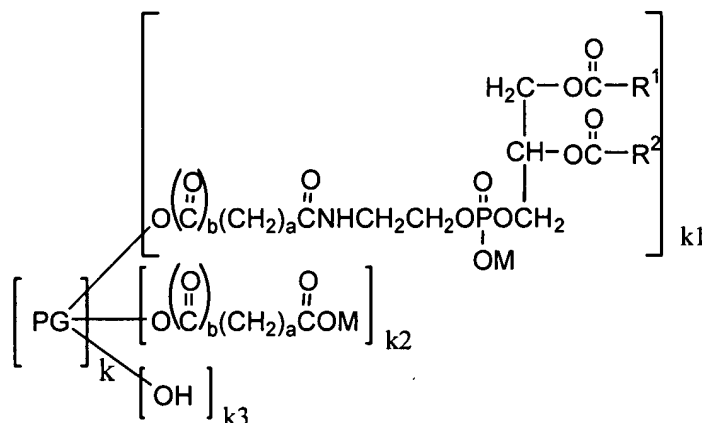


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A phospholipid derivative represented by the following formula (1):



wherein [PG]_k represents a residue of polyglycerin having a polymerization degree of k, wherein k is 2 to 50, R¹CO and R²CO independently represent an acyl group having 8 to 22 carbon atoms, symbol "a" independently represents an integer of 0 to 5, symbol "b" independently represents 0 or 1, M represents hydrogen atom, an alkali metal atom, an ammonium, or an

organic ammonium, and k_1 , k_2 , and k_3 represent numbers satisfying the following conditions: $1 \leq k_1 \leq (k+2)/2$, $0 \leq k_2$, and $k_1 + k_2 + k_3 = k + 2$.

2. (Original) The phospholipid derivative according to claim 1, wherein k_1 satisfies $1 \leq k_1 \leq 2$.

3. (Currently Amended) The phospholipid derivative according to claim 1 or 2, wherein k_2 satisfies $0 \leq k_2 \leq 1$.

4. (Currently Amended) The phospholipid derivative according to claim 1 ~~any one of claims 1 to 3~~, wherein k_1 , k_2 , and k_3 satisfy $8 \leq k_1 + k_2 + k_3 \leq 52$.

5. (Currently Amended) The phospholipid derivative according to claim 1 ~~any one of claims 1 to 4~~, wherein R^1CO and R^2CO independently represent an acyl group having 12 to 20 carbon atoms.

6. (Currently Amended) The phospholipid derivative according to claim 1 ~~any one of claims 1 to 5~~, wherein k_2 is 0.

7. (Original) The phospholipid derivative according to claim 6, wherein a and b represent 0.

8. (Currently Amended) The phospholipid derivative according to claim 1 ~~any one of claims 1 to 5~~, wherein k_2 satisfies $0 < k_2$.

9. (Currently Amended) A lipid membrane structure comprising the phospholipid derivative according to claim 1 ~~any one of claims 1 to 8~~.

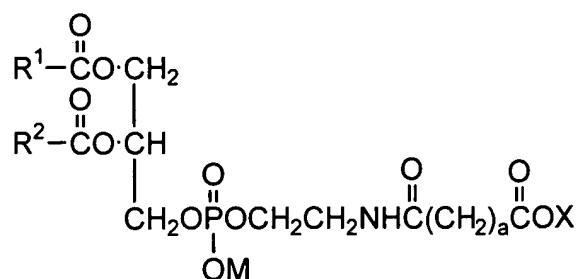
10. (Original) The lipid membrane structure according to claim 9, which is a liposome.

11. (Currently Amended) A surfactant comprising the phospholipid derivative according to claim 1 ~~any one of claims 1 to 8~~.

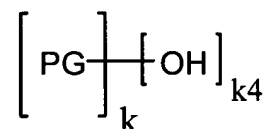
12. (Currently Amended) A solubilizer comprising the phospholipid derivative according to claim 1 ~~any one of claims 1 to 8~~.

13. (Currently Amended) A dispersing agent comprising the phospholipid derivative according to claim 1 ~~any one of claims 1 to 8~~.

14. (Original) A method for producing the phospholipid derivative according to claim 1, which comprises the step of reacting a compound represented by the following formula (2):



wherein R^1 , R^2 , a , and M have the same meanings as defined above, and X represents hydrogen atom or N-hydroxysuccinimide, with a polyglycerin represented by the following formula (3):



wherein $[\text{PG}]_k$ represents a residue of polyglycerin having a polymerization degree of k , wherein k has the same meaning as defined above, and $k4$ is a number satisfying the following condition: $k4 = k + 2$.

15. (Original) A method for producing the phospholipid derivative according to claim 1, which comprises the following steps:

(A) the step of reacting a polyglycerin with a dibasic acid or a halogenated carboxylic acid to obtain a carboxylated polyglycerin; and

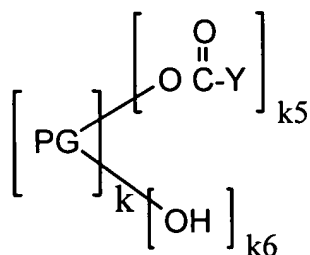
(B) the step of reacting the carboxylated polyglycerin obtained in the step

(A) with a phospholipid.

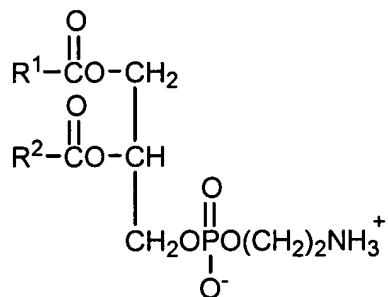
16. (Original) A method for producing the phospholipid derivative according to claim 1, which comprises the following steps:

- (A) the step of reacting a polyglycerin with a halogenated carboxylic acid ester and hydrolyzing the resulting ester compound to obtain a carboxylated polyglycerin; and
- (B) the step of reacting the carboxylated polyglycerin obtained in the step (A) with a phospholipid.

17. (Currently Amended) A method for producing the phospholipid derivative according to claim 1 ~~any one of claims 1 to 7~~, which comprises the step of reacting a polyglycerin derivative represented by the following formula (4):



wherein [PG]_k represents a residue of polyglycerin having a polymerization degree of k, wherein k represent a number of 2 to 50, Y represents hydroxyl group or a leaving group, and k₅ and k₆ are numbers satisfying the following conditions: $1 \leq k_5 \leq (k+2)/2$, and $k_5 + k_6 = k + 2$, with a phospholipid represented by the following formula (5):



wherein R¹ and R² have the same meanings as defined above, in an organic solvent in the presence of a basic catalyst.

18. (Original) A pharmaceutical composition containing the lipid membrane structure according to claim 9 retaining a medicament.

19. (Original) The pharmaceutical composition according to claim 18, wherein the medicament is an antitumor agent.